II.   CLAIM AMENDMENTS

There are no claim amendments in this response.

1.-16. (Cancelled)

17. (Previously Presented)   A method comprising:

determining the positions of a set of at least two alternatives on a virtual arcuate area surrounding an actual user on the basis of their direction with respect to the user so that the locations of the positions remain substantially the same with respect to the user irrespective of the location of the user;

recognizing a first movement of a body member of the user to a sector on the virtual arcuate area surrounding the user, the sector corresponding to a desired alternative;

recognizing a second movement in the sector corresponding to the desired alternative;

in response to the second movement, recognizing a selection of the desired alternative as completed; and

providing the recognized selection as an output,

wherein said sectors are separated by separating areas arranged to reduce selection errors.

18. (Previously Presented)   A method according to claim 17, further comprising:

indicating at least once the sectors corresponding to the alternatives as one of the following:

showing virtual images in each sector, showing the arcuate area with a plurality of sectors at the level of the user's waist, and informing the alternative corresponding to a sector audiophonically.

19. (Previously Presented)   A method according to claim 17, further comprising:

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demonstrating the alternative indicated at any given time.

20. (Previously Presented)   A method according to claim 17, further comprising:

recognizing the second movement contactlessly.

21. (Previously Presented)   A method according to claim 17, wherein the first movement is the movement of the user's hand.

22. (Previously Presented)   A method according to claim 17, further comprising:

carrying out a certain first function in response to the output.

23. (Previously Presented)   A method according to claim 17, further comprising:

allowing the user to carry out a certain second activity with a specific third movement of the member of the body.

24. (Previously Presented)   An apparatus comprising:

> a display configured for displaying a set of at least two alternatives on a virtual arcuate area surrounding an actual user on the basis of their direction with respect to the user so that the locations of the alternatives remain substantially the same with respect to the user irrespective of the location of the user;

> a device configured for recognizing a first movement of a body member of the user to a sector on the virtual arcuate area surrounding the user, the sector corresponding to a desired alternative, the device further configured for recognizing a second movement in the sector;

> wherein the apparatus is configured for recognizing a selection of the desired alternative in response to the second movement and includes an output for outputting the recognized selection, and

> wherein said display is configured to display the sectors on the arcuate area surrounding the user as separated by separating areas arranged to reduce selection errors.

25. (Previously Presented)   An apparatus according to claim 24, wherein:

the display is configured for indicating to the user the sectors corresponding to the alternatives as one of the following:

showing a virtual image in each sector, showing the arcuate area with a plurality of sectors at the level of the user's waist, and the apparatus is configured for informing the alternative corresponding to a sector audiophonically.

26. (Previously Presented)   An apparatus according to claim 24, wherein:

the display is configured for indicating the alternative indicated at any given time.

27. (Previously Presented)   An apparatus according to claim 24, wherein:

the device is configured to recognize the second movement contactlessly.

28. (Previously Presented)   An apparatus according to claim 24, wherein:

the first movement is the movement of the user's hand.

29. (Previously Presented)   An apparatus according to claim 24, wherein:

the apparatus is configured for carrying out a certain first function in response to the second movement.

30. (Previously Presented)   An apparatus according to claim 24, wherein:

the apparatus is configured for carrying out a specific second function in response to a third movement.

31. (Previously Presented)   An apparatus according to claim 24, wherein:

the device configured for recognising the second movement in the sector is configured to be attached to the user.

32. (Previously Presented)   An apparatus according to claim 24, further comprising at least one of the following: a mobile station, a computer, a television apparatus, a data network browsing device, an electronic book, and an at least partly electronically controlled vehicle.

33. (Cancelled)

34. (Previously Presented)   A method according to claim 17, wherein said arcuate area is a selection disc.

35. (Previously Presented)   A method according to claim 21, wherein said first movement is a substantially horizontal arcuate movement of the hand to a certain sector of the arcuate area situated substantially in a horizontal plane.

36. (Previously Presented)   A method according to claim 35, wherein said second movement is a substantially vertical movement of a hand at said certain sector.

37. (Previously Presented)   A method according to claim 35, wherein said second movement is placing a hand into a certain position at said certain sector.

38. (Previously Presented)   A method according to claim 17, further comprising:

determining the sectors corresponding to each alternative in the space surrounding a user also on the basis of their distance with respect to the user.

39. (Cancelled)

40. (Previously Presented)   An apparatus according to claim 24, wherein said arcuate area is a selection disc.

41. (Previously Presented)   An apparatus according to claim 28, wherein said first movement is a substantially horizontal arcuate movement to a certain sector of a circular area situated substantially in a horizontal plane.

42. (Previously Presented)   An apparatus according to claim 41, wherein said second movement is a substantially vertical movement at said certain sector.

43. (Previously Presented)   An apparatus according to claim 41, wherein said second movement is a movement into a certain position at said certain sector.

44. (Previously Presented)   An apparatus according to claim 24, wherein positions of the alternatives are determined on the basis of their distance with respect to the user.

45. (Previously Presented)   A system comprising:

a central unit,

a three dimensional display device,

the central unit comprising a port for communicating positions of selection alternatives to the three dimensional display device,

the three dimensional display device being configured to display the selection alternatives on the basis of their direction with respect to an actual user so that the locations of the selective alternatives remain substantially the same with respect to the user irrespective of the location of the user, said selection alternatives located in sectors on a virtual arcuate area surrounding the user wherein the sectors are separated by separating areas arranged to reduce selection errors,

a device configured for recognizing a movement of a body member of the user to one of the sectors between two of the separating areas on said virtual arcuate area surrounding the user, and configured for communicating a recognized movement to the central unit,

wherein the central unit being configured to process the selection of an alternative on the basis of the recognized movement.

46. (Previously Presented)   A system according to claim 45,

wherein the central unit comprises at least one of the following:

a mobile station, a computer, a television apparatus, a data network browser device, an electronic book, and at least partly electronically controlled vehicle.

47. (Previously Presented)   A system according to claim 45, wherein the device configured for recognizing is a camera.

48. (Previously Presented)   A system according to claim 45, wherein the device configured for recognizing is a shape tape.

49. (Previously Presented)   A system according to claim 45, wherein the arcuate area is a selection disk.

50. (Previously Presented)   A system according to claim 45, wherein the three dimensional display device and the device configured for recognizing are comprised in the same unit.

51. (Previously Presented)   A system according to claim 45, wherein the three dimensional display device is configured as virtual glasses.

52. (Previously Presented)   A user interface comprising:

a display configured for displaying a set of at least two alternatives on a virtual arcuate area surrounding an actual user on the basis of their direction with respect to the user so that the locations of the alternatives remain substantially the same with respect to the user irrespective of the location of the user;

a camera configured for recognizing a first movement of a body member of the user to a sector on the virtual arcuate area surrounding the user, the sector corresponding to a desired alternative, the camera further configured for recognizing a second movement within the sector;

a control unit configured for recognizing the carrying out of a selection of the desired alternative in response to the second movement; and

an output for outputting the recognized selection,

wherein said sectors are separated by separation areas arranged to reduce selection errors.

53. (Previously Presented)   A method according to claim 17, further comprising making the first movement using a first member of the user's body and making the second movement using a second member of the user's body, wherein the first and second members of the user's body are selected from the group consisting of:

the first and second members of the body are a common member of the body of the user; and

the first member of the body is a hand and the second member of the body is the fingers of the hand.

54. (Previously Presented)   An apparatus according to claim 24, wherein said device for recognizing the first and second movements recognizes the movement of a first and second member of the user's body, wherein the first and second members of the user's body are selected from the group consisting of:

the first and second members of the body are a common member of the body of the user; and

the first member of the body is a hand and the second member of the body is the fingers of the hand.

55. (Previously Presented)   A system according to claim 45, wherein the device configured for recognizing a movement is configured to recognize a movement of a first and second member of the user's body, wherein the first and second members of the user's body are selected from the group consisting of:

the first and second members of the body are a common member of the body of the user; and

the first member of the body is a hand and the second member of the body is the fingers of the hand.

56. (Previously Presented)   A user interface according to claim 52, wherein said camera configured for recognizing the first and second movements is configured to recognize a movement of a first and second member of the user's body, wherein the first and second members of the user's body are selected from the group consisting of:

the first and second members of the body are a common member of the body of the user; and

the first member of the body is a hand and the second member of the body is the fingers of the hand.